

## DECLASS REVIEW by NIMA/DOD

STATINTL

November 16, 1959

In compliance with the requirements of Schedule A, Article 2, Item 5, Contract No. [REDACTED] we herewith submit Monthly Progress Report No. 9. This report covers the period from 9 October 1959 to 9 November 1959 on the design and fabrication of three (3) Nadir Determining Devices.

A current progress chart is attached (Enclosure 1). All subassemblies, with the exception of the servo drives for the measuring engine, are complete. However, due to slippage in delivery of a few of the outside manufactured parts, these subassemblies were completed behind schedule. In last month's progress report these delays were mentioned, and their possible adverse effect on the delivery of the first unit was predicted. At this time the delay can be more precisely forecast to about three weeks. The first unit will therefore be delivered December 18, 1959. Assembly of the first unit will be completed by November 30. The adjusted delivery date is set to provide for at least 18 days for check out and qualification test. Detailed information concerning this delay in scheduled shipping date and requirements for additional funds will be made the subject of separate correspondence.

The status of the final assembly is as follows: The Nadir cabinet has been received and the following subassemblies have been mounted: measuring engine (not including servo drive), film stage, film stage light source, mirrors, line regulator, power supplies, blowers, and part of the electronic components. Overall schematics and wire diagrams are completed and wiring of the cabinet has begun. Power supplies and film stage control have been checked to meet electrical specifications.

The electrical controls and interlocks of the Nadir have been designed to provide a maximum of fail-safe operation. In case of component failure, provisions are made for immediate alarm and for isolation and identification of the fault.



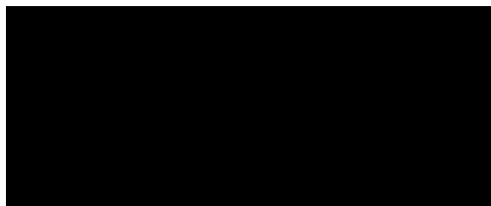
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During the next reporting period, the remaining subassemblies will be mounted in the cabinet. Electrical controls will be mounted on the control console and the cabinet will be completed. Checkout of the total Nadir system will commence.

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Sincerely yours,



Engineering

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Enclosure

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